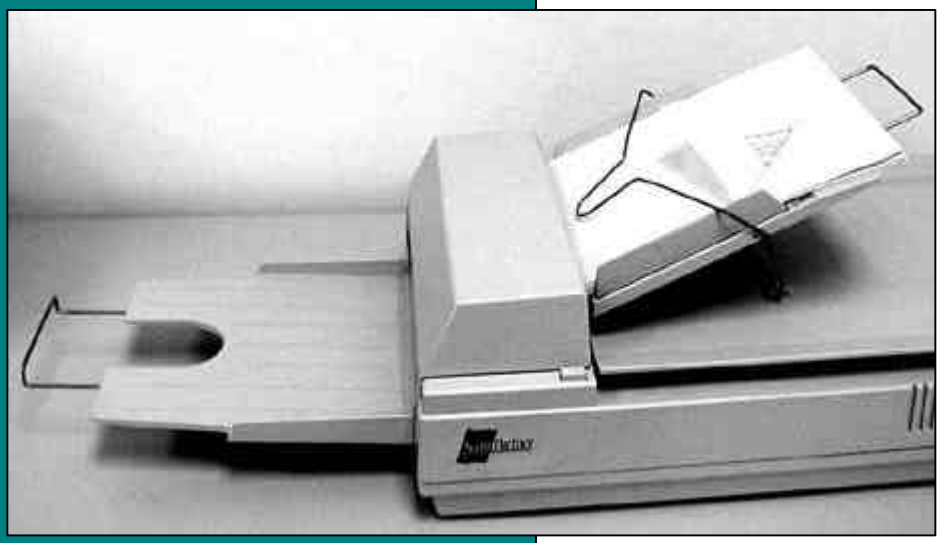
FUJITSU

FUJITSU COMPUTER PRODUCTS OF AMERICA, INC.

ScanPartner® 620C Image Scanner

User's Manual



(Doc. No. 250-0062-0 Ver. 1.0)

FCC Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any changes or modifications not expressly approved by the manufacturer of this device could void the user's authority to operate the equipment.

Table of Contents

1. INTRODUCTION

Congratulations on your purchase of a Fujitsu ScanPartner 620C scanner.

Before you install and operate the new scanner, please take a few minutes to read through this manual. It provides you with the proper instructions on how to unpack, install, operate and maintain the Scanner.

Figure 1-1 shows how the scanner is packed. You can check all items against your “checklist” included with your scanner.

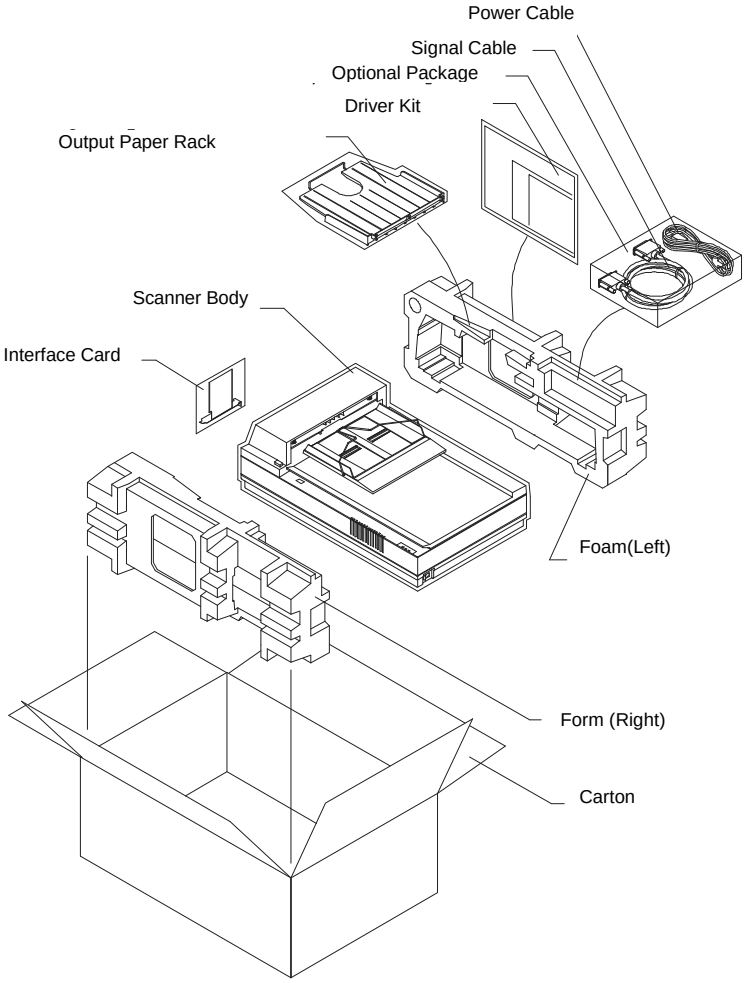


Figure 1-1 Scanner packing

2. INSTALLATION

Please unpack the scanner carefully, and check the contents against the c*hecklist.* If any items are missing or damaged, please contact your authorized local dealer immediately.

Precautions

- Keep the scanner out of direct sunlight. Direct exposure to the sun or excessive heat may cause damage to the unit.
- Do not install the scanner in a humid or dusty place.
- Be sure to use the proper AC power source.
- Place the scanner securely on an even, flat surface. Tilted or uneven surfaces may cause mechanical or paper-feeding problems.
- Retain the scanner box and packing materials for shipping purposes.

2.1 SHIPPING BRACKET

The scanner has a bracket that locks the carrier mechanism for transportation purposes. This bracket must be put into the USE position before using the scanner.

If the power is turned on before the bracket has been removed, the PAPER JAM light will turn on. Before proceeding, turn the power off, disconnect all cables and follow the instructions below to remove the shipping bracket.

2.1.1 REMOVING THE SHIPPING BRACKET

i). Carefully place the scanner in an upright position on its front.

ii). Using a suitable screwdriver, remove the screw and pull out the shipping bracket. (See Figure 2-1)

iii). Put the shipping bracket into the use position with the short side extending into the scanner base and secure it with the screw. (See Figure 2-2)

iv). Carefully place the scanner back into its normal position.

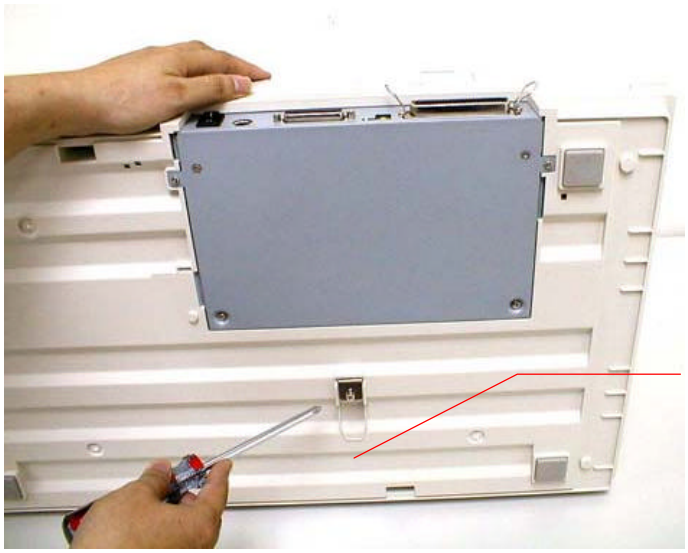


Figure 2-1 Removing the Shipping Bracket

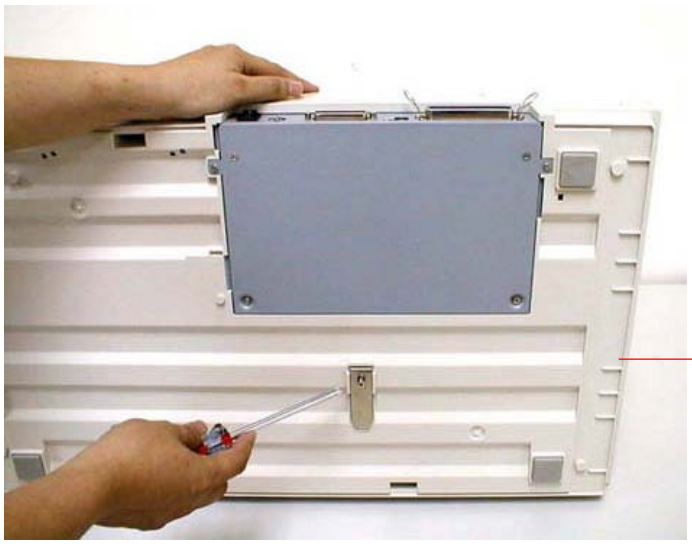


Figure 2-2 Securing the Shipping Bracket

2.1.2 REFITTING THE SHIPPING BRACKET

Whenever you need to move the scanner to a new location, it is advisable to refit the shipping bracket to avoid causing damage to the scanners' internal mechanism. Please follow the instructions below to refit the shipping bracket.

i). Turn off the scanner power at the power On/Off switch.

ii). Open the document cover.

Note: For steps (iii) to (v) please refer to Figure 2-1 and 2-2.

iii). Carefully place the scanner in an upright position on its front side.

iv). Use a suitable screwdriver to remove the screw holding the shipping bracket in the USE position.

v). Put the shipping bracket into the shipping position, with the long side extending into the scanner base. Secure it with the screw.

vi). Carefully place the scanner back into its normal position.

2.2 SCSI INTERFACE DEVICE ID

When you have several devices on a SCSI chain, you may need to adjust the SCSI ID selector setting located on the back of the scanner. This setting assigns a specific "device ID" to the scanner. If the assignment conflicts with an existing SCSI device, please select a new ID. (See Figure 2-3)

Note: The factory setting for Scanner is ID 6. Usually, ID 0 is assigned to an internal hard disk drive, and ID 7, to SCSI adapter or host. ID 8 and 9 are not in actual use.

Using a suitable tool, turn the selector switch until the arrow points to the desired ID number.

Figure 2-3 Adjusting the SCSI ID setting

2.3 ADF PAPER CHUTE

i). Raise the right side of the ADF Paper Chute to about 45 degrees.

ii). Pull down the wire leg from beneath the ADF Paper Chute.

iii). Insert the wire leg into the grips on the Document Cover.

iv). Extend the Paper Chute Extension to the length you desire.

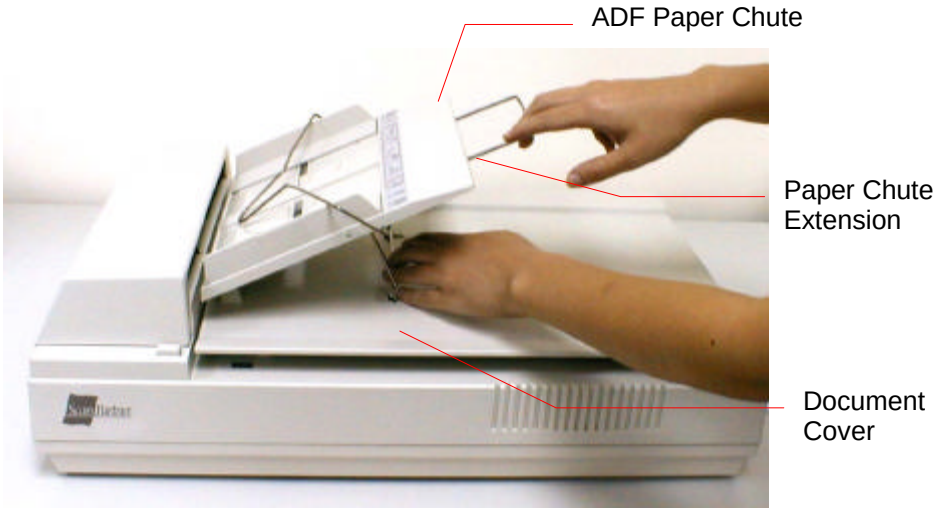


Figure 2-4 Setting the ADF Paper Chute

2.4 ADF OUTPUT TRAY

i). Hold the output paper tray some 30 degrees aslant as shown in Figure 2-5.

ii). Insert the three protrusions on the ADF Output Tray into the three slots on the ADF.

iii). Release the paper tray gently. Make sure the tray is firmly attached to the ADF.

iv). Pull out the Extension Wire to the desired length.

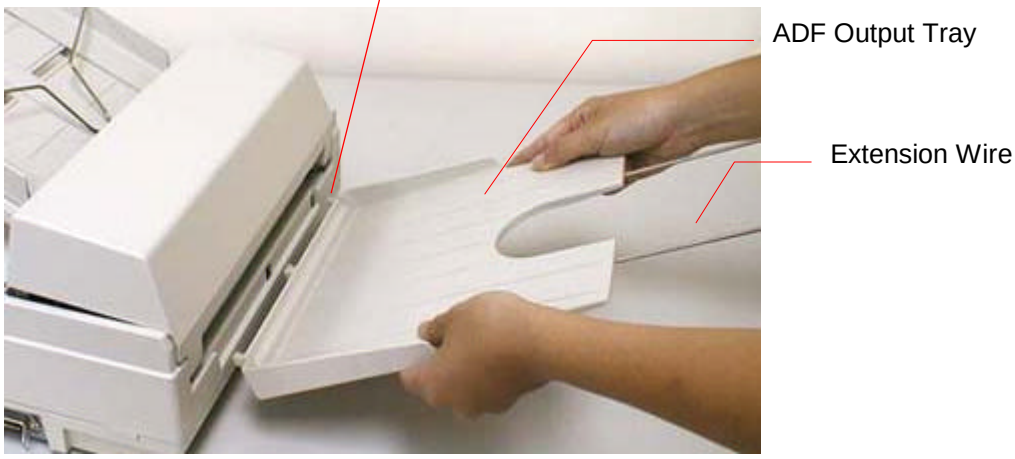


Figure 2-5 Install the ADF Output Tray

2.5 DOCUMENT LOADING

For flatbed scanning

Documents that cannot be scanned using the ADF can be placed on the flatbed for scanning. (See Figure 2-6)

i). Place the document to be scanned onto the document glass face down.

ii). Position the document so that the upper-right corner is aligned with the Reference Mark.

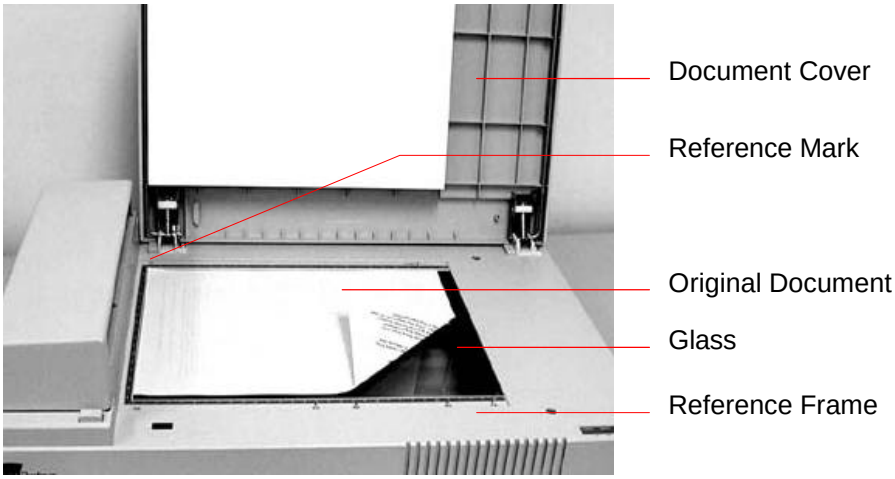


Figure 2-6 Place document on the scanner

2.6 ADF SCANNING

Standard paper size can be scanned automatically using the ADF. Refer to Figure 2-7.

i). To prevent occasional paper jams when automatically feeding multiple documents, fan the paper before loading.

ii). Lift the Balance Wire and place the documents to be scanned onto the ADF Paper Chute face down, with the leading edge in the Auto Feeder entrance. Let the Balance Wire rest on the top of the documents.

iii). Adjust the left and right guides so that they are snug against the sides of the documents.

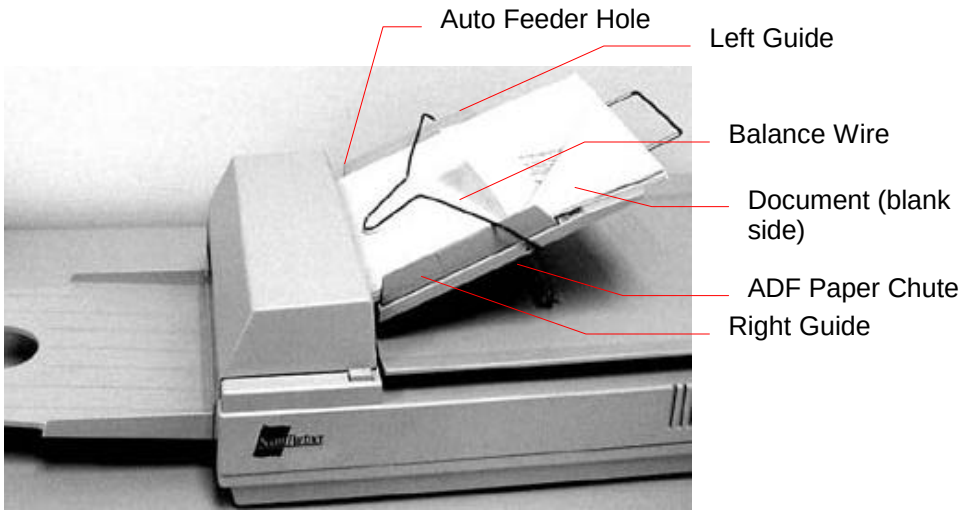


Figure 2-7 Use ADF to Load Multiple Documents

2.7 CONNECTING THE CABLE

i). **Turning the Power Off**

Depress the side marked “O” to turn the power off.

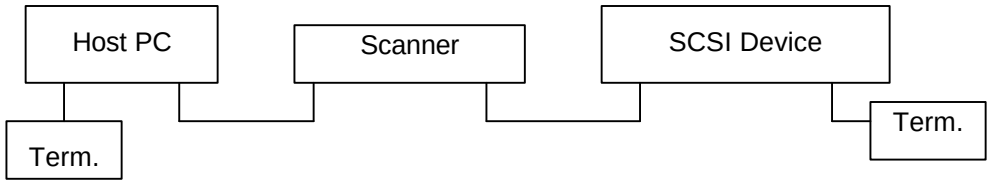
Connect the power cable and SCSI signal cable as shown in Figure 2-8 and Figure 2-9.

ii). **Turning the Power On**

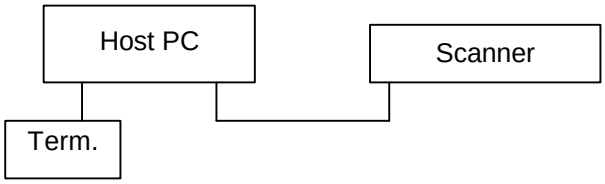
Depress the side marked “I” to turn the power on. The POWER LED will light. If not, please check the power source.

iii). **SCSI Termination**

The Fujitsu ScanPartner 620C comes complete with a built-in SCSI terminator. If the Scanner is the last device in a SCSI chain, the Terminator should be switched ON. If the scanner is not the last device, the Terminator should be OFF. The Terminator ON/OFF switch is located on the back of the scanner, to the left of the SCSI cable connectors.



(Terminator Off)



(Terminator On)

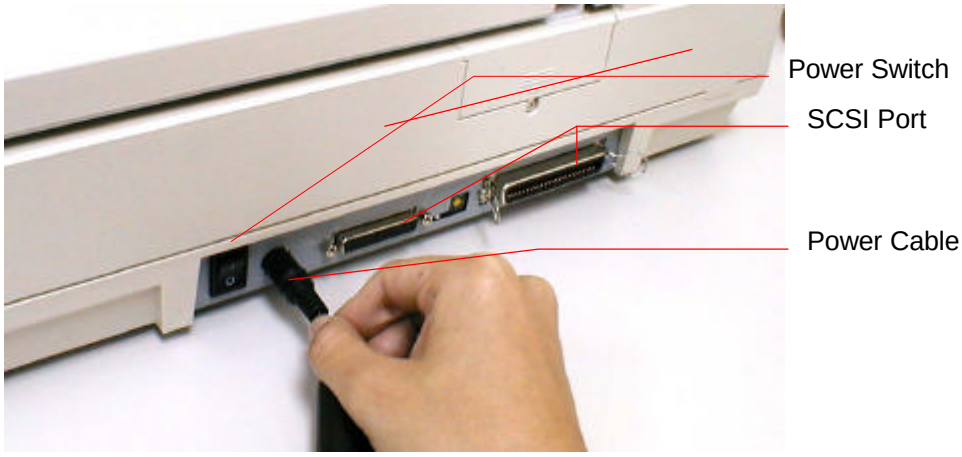


Figure 2-8 ScanPartner 620C Power Cable Connection

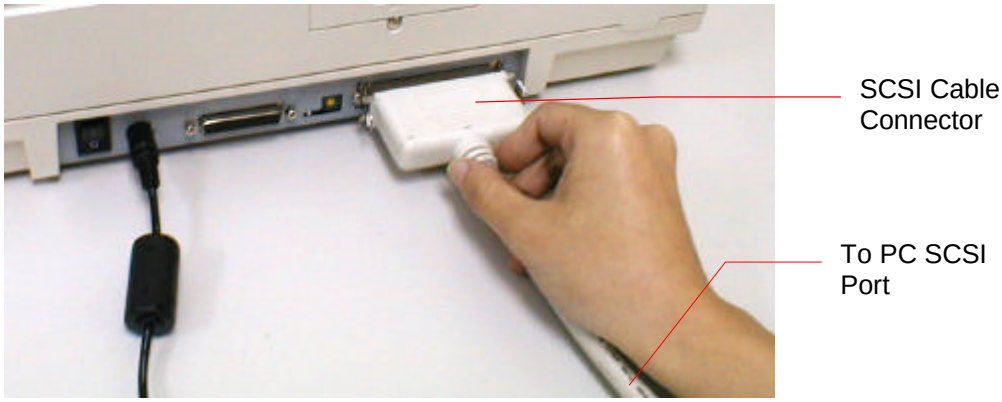


Figure 2-9 ScanPartner 620C SCSI Cable Connection

3. MAINTENANCE

3.1 CLEANING THE ADF

Your scanner is designed to be maintenance free. However, it still needs to be cleaned occasionally to ensure optimum image quality and performance.

From time to time, the pad assembly and feeding rollers may become contaminated with ink, toner particles or paper dust. In this case, the scanner may not feed documents smoothly or several documents may feed at once. If this occurs, please follow the cleaning procedures below to return your scanner to its original state.

Cleaning Procedures (Figure 3-1)

i). Moisten a cotton swab with isopropyl alcohol (95%). (Cleaner kits are available from Fujitsu.)

ii). Open the ADF unit by depressing the button ① in front of the ADF unit. Carefully open the ADF to the left . Wipe the feeding rollers by moving the swab from side to side. Rotate the rollers forward with your finger and repeat the above cleaning procedures until the rollers are clean. Be careful not to snag or damage the pick springs.

iii). Wipe the pad in a top to bottom direction. Be careful not to hook the pick springs.

iv). Close the ADF unit. Your scanner is now ready for use.

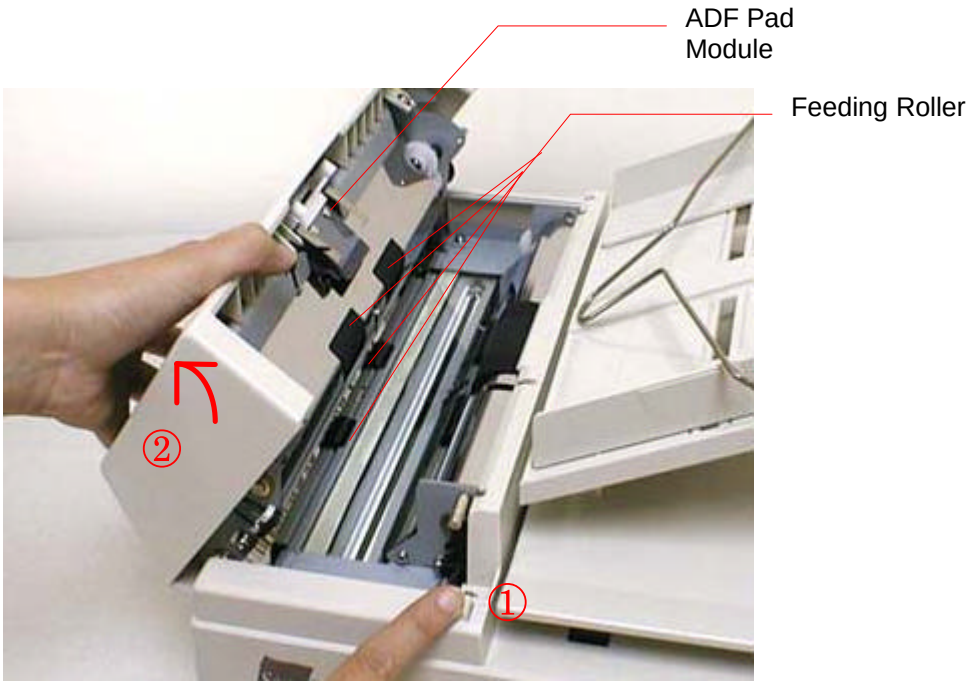


Figure 3-1 Opening the ADF unit and Document Cover

3.2 CLEANING THE GLASS

The procedures:

i). Soak a cotton swab with some isopropyl alcohol (95%).

ii). Open the ADF unit and document cover as shown in Figure 6-2. Wipe the glass in the flatbed area and ADF area by moving the swab from side to side.

iii). Close the ADF unit and document cover. Your scanner is now ready for use.

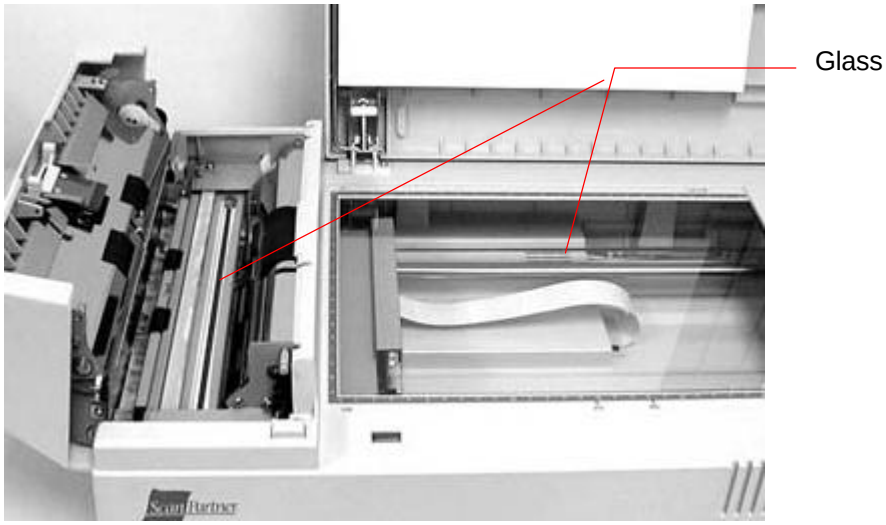


Figure 3-2 The Cleaning Area

3.3 REPLACING THE ADF SNAP-IN PAD MODULE

After scanning approximately 150,000 pages through the ADF, the pad spring may become worn out and you may experience problems with document feeding. In this case, it is highly recommended to replace the pad module with a new one. To order the pad module, please consult your nearest dealer and follow the procedure below to replace it.

Disassembling Procedure

1. Open the ADF front cover by depressing the ADF release button.
2. Remove the ADF snap-in pad module by pulling out the upper part of the pad clamp as shown in Figure 3-3.

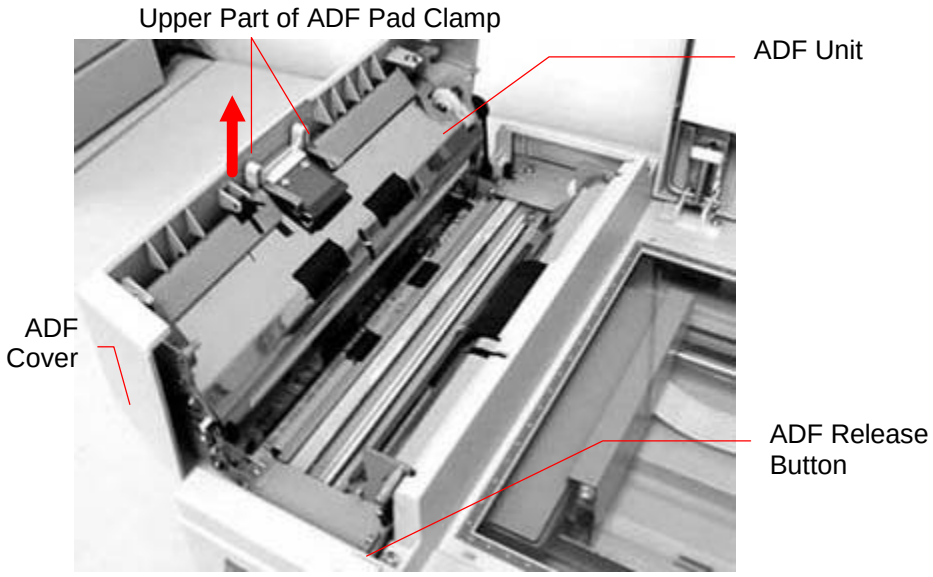


Figure 3-3 Remove the pad module

Assembling Procedure

1. Take out the ADF pad module from the box.
2. Hold the upper part of the pad clamp and place it gently into the pad holder as shown in Figure 3-4.

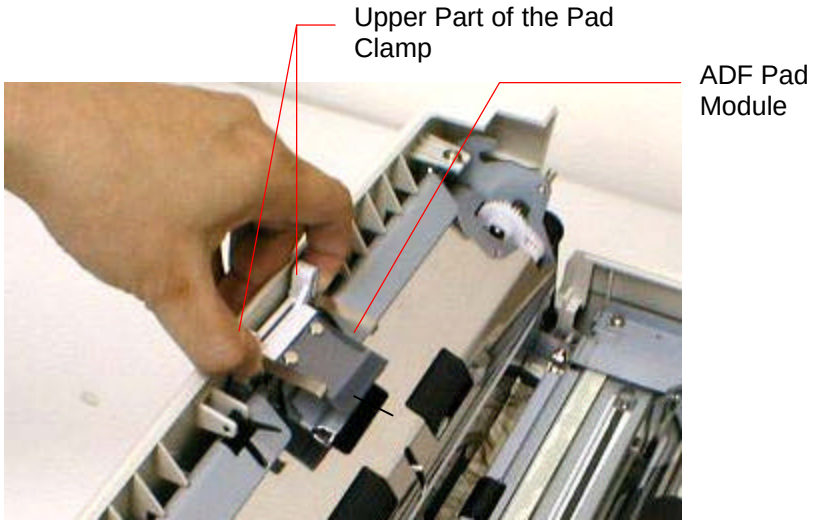


Figure 3-4 Installing the pad module

4. TROUBLESHOOTING

The scanner will automatically perform a simple self-test each time it is turned on. This will help spot major system errors in the scanner itself.

When the test is initiated, the READY LED will flash. When the test is complete, if no errors have occurred, the READY LED will remain on.

If you have problems with the operation of your scanner, please check the following troubleshooting hints.

4.1 QUESTION AND ANSWER

Question: The LED indicates that the scanner is ready, but the scanner does not respond to the scan command form the host computer.

Answer: a) Please check the signal cable is firmly seated, and invoke the scan command again. If there is still no response, reset the scanner by turning it off and then on again, and reboot your host computer as well.

b) Check if the driver is correctly installed. You can use the DIAG.EXE file in the "Fujitsu Driver Kit" to check this out.

c) Try to select another port memory.

Question: Paper jams during scanning.

Answer: a) Open the ADF unit.

b) Pull out the jammed paper carefully.

c) Close the ADF unit.

Question: More than one sheet of paper was fed into the scanner.

Answer: a) Open ADF unit.

b) Remove the multi-fed sheets of paper.

c) Close the ADF unit.

d) Flatten the corners and edges; loosen the paper before reloading it in the paper guide.

e) Check the feeding roller condition and do the cleaning if necessary. (See Chapter 3)

Question: Paper skews in the scanner.

Answer: a) Check the feeding roller condition; do the cleaning if necessary. (See Section 3.1)

b) Use the paper guide when feeding the paper.

Question: When the scanner is powered-on, it makes noises and will not stand ready.

Answer: a) Check to make sure the shipping retainer from the scanner is removed.

b) Check to make sure the scanner is placed on a flat desktop surface. Uneven surfaces may cause the scanner to function improperly.

Question: When the scanner is powered-on, the lamp does not light.

Answer: Please check:

a) The lamp is out of order. In that case, contact your authorized local dealer to change the lamp. The lifetime of the lamp is about 5000 hours.

b) The fuse on the main board of the scanner is burned. Check the main board of the scanner. If the fuse is burned, put in a new fuse that is 250V/2A.

c) If the fuse burns again after the changing, it means the inverter of the lamp is burned. Contact your authorized local dealer to replace the inverter.

Question: When scanning, the scanner or system will often crash.

Answer: Please check:

a) If the cable is firmly seated;

b) Make sure only two SCSI terminators are connected to your SCSI daisy chain. One is at the end of the SCSI device; another is already in your host adapter.

Question: While scanning, the scanner often makes noises, or it scans back and forth.

Answer: Choose a lower speed from the TWAIN user interface for a low speed PC.

Question: The scanned image is too dark.

Answer: a) Use your application to modify the Gamma setting to 2.2 and 1.8 for your printer and monitor respectively.

b) Use the Brightness setting from the TWAIN user interface to get a brighter image.

Question: Line art is too thick when scanned from the original.

Answer: Use the Brightness or Threshold setting to adjust the line art image.

4.2 PAPER JAM IN THE ADF

In the event of paper jam, please follow the procedures below.

i). Press the ADF Release Button at the front left of the scanner as shown in Figure 4-1. The ADF cover will be released.

ii). Open the ADF cover to the full open position as shown in Figure 4-2.

iii). Pull the paper out of the ADF unit carefully.

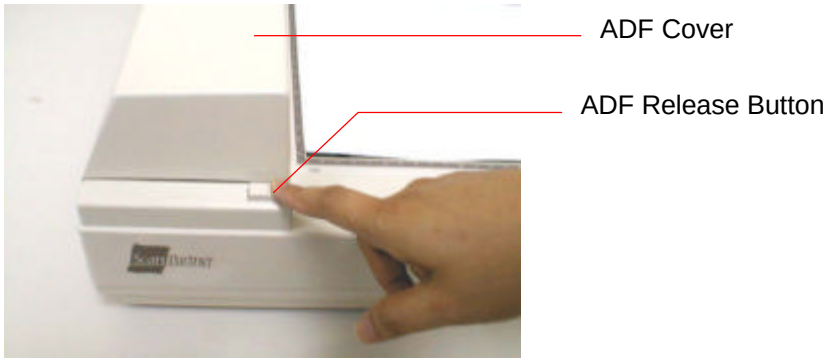


Figure 4-1 ADF Paper Jam - Opening the ADF.

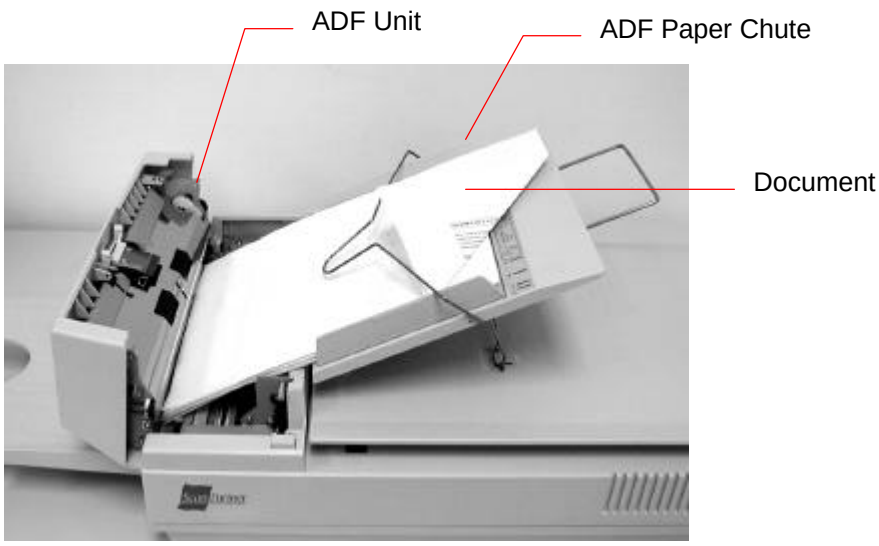


Figure 4-2 ADF Paper Jam - Removing the Paper

5. SPECIFICATIONS

All specifications are subject to change without notice.

The following can not be properly fed into the ADF:

- Paper with clips or staples attached;
- Paper with ink not totally dry;
- Paper with inconsistent thickness, such as envelopes;
- Paper with wrinkles, curls, folds or tears;
- Tracing paper;
- Coated paper;
- Carbonless paper;
- Paper narrower than 3.5" or wider than 8.5";
- Items other than papers, such as cloth, metal or OHP film;
- Notched paper;
- Paper with an odd (non-rectangular) shape;
- Very thin paper.

Please use the flatbed to scan documents that cannot be fed by the ADF.

5.1 SCANPARTNER 620C SPECIFICATIONS

Scanner Type	❖ 1-pass colour
	❖ Flatbed with ADF built-in
Scanning Mode	❖ 36-bit colour
	❖ 12-bit Grey Scale
	❖ Line Art/Halftone
	❖ Error Diffusion (single bit)
Optical Resolution	❖ 600 x 1200 dpi in a dpi increments
Light Source	❖ Cold Cathode fluorescent lamp
ADF Capacity	❖ 50 pages
ADF Scanning Speed	❖ 20 PPM (200dpi, B/W mode, ADF)
Scanning Document Size Max.	❖ ADF mode 8.5” x 14”
	❖ Flatbed mode 8.5” x 11.69”
Interface	❖ SCSI-2
Power Requirement	❖ 100-240 Vac, 50-60Hz
Power Consumption	❖ 30 watts
Humidity	❖ 20% to 80%
Operating Temperature	❖ 10 to 35
Storage Temperature	❖ -20 to 60
Dimension	❖ 570 x 350 x 166 mm(WxDxH)
Weight	❖ Appropriate 26.5 lbs (12 kg)

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http:// www.waterboards.ca.gov/sandiego

Alan C. Lloyd, Ph.D.
Secretary for Environmental Protection

Arnold Schwarzenegger
Governor

May 5, 2005

In reply refer to:
SMC: 50-2921.051:peurp

T.L. Sahagun
Acting RCRA Management Division Head
Assistant Chief of Staff
Environmental Security
United States Marine Corps
Camp Pendleton, CA 92055-5008

Dear Ms. Sahagun:

SUBJECT: Final Corrective Action Plan and Soil Excavation Report for Underground Storage Tank Site 1674, Project No. 5090.13c, Marine Corps Base, Camp Pendleton, California

This letter confirms the completion of a site investigation and remedial action for the underground storage tank formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank are greatly appreciated.

Based on the information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact Pete Peuron of our office at (858) 637-7137 if you have any questions regarding this matter.

Sincerely,

JOHN H. ROBERTUS
Executive Officer

JHR:jpa:pmp

Based on the information provided for Underground Storage Tank Site 1674, no further action is required. The supporting data for closure are as follows:

1. The leak has been stopped, and ongoing sources, including free product have been removed or remediated to the extent practicable.
   - Former UST at site 1674 has been removed.
   - Approximately 265 cubic yards of diesel-impacted soil have been removed from the site. Excavation extended to a depth of 16 feet, bgs. All five soil verification samples yielded non-detectable levels of contamination. Groundwater was found at 25 feet, bgs.

2. The site has been adequately characterized.
   - Eight soil borings were drilled and sampled during site assessment. Soil sampling indicated that significant levels of impacts were limited to the immediate tank area.
   - Six wells were installed. A worst-case well is located in the middle of the former excavation and there is a downgradient well located about 15 feet southeast of the excavation.

3. The dissolved hydrocarbon plume is not migrating.
   - Table 2-5 of the report indicates that no detectable TPH as diesel or aromatic petroleum hydrocarbons have been detected during the last two rounds of monitoring (Reporting Limit = 100 ug/l). The highest impact ever detected in groundwater was 360 ug/l of TPH-d in August of 2003 (in MW5, the worst-case well). Results indicate that there is no detectable contaminant plume.

4. No water wells, deeper drinking water aquifers, surface water, or sensitive receptors are likely to be impacted.
   - The nearest water supply well is approximately 1.8 miles northwest of the site. Groundwater contamination levels are very low (below detection limits) and it is very unlikely that the well will be impacted.
   - The nearest surface water is an ephemeral stream located 185 feet south of the site. The lack of detectable impacts in groundwater indicates that this stream will not be affected.

5. The site presents no significant risk to human health or the environment.
   - There is very little remaining diesel contamination and there is very little likelihood that what is left will migrate to locations where human or ecological receptors can be affected.

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lan C. Lloyd, Ph.D.
Secretary for Environmental Protection

Arnold Schwarzenegge
Governor

May 5, 2005

In reply refer to:
SMC: 50-3314.051:peurp

T.L. Sahagun
Acting RCRA Management Division Head
Assistant Chief of Staff
Environmental Security
United States Marine Corps
Camp Pendleton, CA 92055-5008

Dear Ms. Sahagun:

SUBJECT: Revised Addendum to the Final Site Closure Report for Underground Storage Tank Site 33324, Project No. 5090.13c, Marine Corps Base, Camp Pendleton, California

This letter confirms the completion of a site investigation and remedial action for the underground storage tank formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank are greatly appreciated.

Based on the information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

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Sincerely,

JOHN H. ROBERTUS
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JHR:jpa:pmp